

Name \_\_\_\_\_

Date \_\_\_\_\_

# Solar Quiz

## Answers

- 1. A solar panel is most efficient when it:**
  - a. is placed horizontal and faces directly up into the sky
  - b. faces directly toward the sun
  - c. faces north
  - d. faces south
- 2. A dual-axis tracking system:**
  - a. allows a solar panel to track the sun in both east-west and north-south directions
  - b. records both current and voltage being generated by a solar panel
  - c. allows a solar panel to create twice as much power from the sun at all times
  - d. tells how much power is being generated and how much is being used
- 3. A solar panel outputs its rated voltage at all times.**
  - a. true
  - b. false
- 4. The device that adjust the circuit to find the maximum power point is called a(n):**
  - a. multimeter
  - b. transducer
  - c. inverter
  - d. dual-axis tracker
- 5. Solar panels become more efficient when they become colder.**
  - a. true
  - b. false
- 6. The term that describes the sensitivity of a material in a solar panel to temperature is the:**
  - a. heating factor
  - b. ambient temperature
  - c. temperature coefficient
  - d. crystalline effect
- 7. What is the best angle at which to place a reflector next to a solar panel?**
  - a. 90°
  - b. 45°
  - c. horizontal
  - d. it depends on the sun's location
- 8. CPV stands for:**
  - a. Collector Panel View
  - b. Concentrating Photovoltaic
  - c. Cooling Panel Vortex
  - d. Can't Produce Voltage